

*Handwritten signature*  
**PATENT APPLICATION**  
Attorney Docket No. 19644-010 (Tufts-10)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS : Bachovchin  
ASSIGNEE : Trustees of Tufts College  
SERIAL NUMBER : 09/289,321 EXAMINER : Not Yet Assigned  
FILING DATE : April 9, 1999 ART UNIT : 1642  
FOR : MULTIVALENT COMPOUNDS FOR CROSSLINKING RECEPTORS AND USES  
THEREOF

Assistant Commissioner for Patents  
Washington, D.C. 20231

**REVOCATION BY ASSIGNEE AND NEW POWER OF ATTORNEY**

TRUSTEES OF TUFTS COLLEGE, an institution of Higher Education and owner of the above-identified United States patent application 09/289,321, filed April 9, 1999, which is a continuation of United States patent application 08/837,305, filed April 11, 1997, assignment recorded on November 12, 1997, at Reel/Frame: 8816/0936, which is a continuation-in-part of United States patent application 08/671,756, filed June 28, 1996, hereby revokes any and all former powers of attorney and appoints:

Attorney or Agent	Registration No.	Attorney or Agent	Registration No.
David B. Bernstein	32,112	Leslie Meyer-Leon	37,381
James G. Cullem	43,569	A. Jason Mirabito	28,161
David F. Crosby	36,400	Michel Morency	Limited Recognition
Brett N. Dorny	35,860	John T. Prince	43,019
Ivor R. Elrifi	39,529	Thomas M. Sullivan	39,392
John A. Harre	37,345	Howard Susser	33,556
Shane Hunter	41,858	Kristin E. Konzak	P-44,848
David E. Johnson	41,874	Carol H. Peters	45,010
Cynthia Kozakiewicz	42,764	Garfield B. Simms	P-45,109
Robert Klauzinski	42,742	Shelby J. Walker	45,192
William Marino	44,219		

APPLICATION NO.

09/289,321

APPLICANT:

Bachovchin

all of MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO PC, One Financial Center, Boston, Massachusetts 02111, and

**Attorney or Agent**

**Registration No.**

Martin M. Zoltick

35,745

**Attorney or Agent**

**Registration No.**

Brian Rosenbloom

41,276

all of MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO PC, 701 Pennsylvania Avenue, N.W., Washington DC 20004-2608, as Applicants' attorneys with full power of substitution and revocation to take any and all action necessary with regard to the above-identified patent.

**SEND CORRESPONDENCE TO:**

**Ivor R. Elrifi  
Mintz Levin  
One Financial Center  
Boston, MA 02111**

**DIRECT TELEPHONE CALLS TO:**

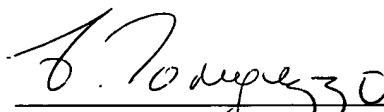
**Ivor R. Elrifi  
(617) 542-6000**

TRUSTEES OF TUFTS COLLEGE certifies under 37 C.F.R. § 3.73(b) that it is the Assignee of the entire right, title and interest in the patent identified above by virtue of assignments of the patent identified above, copies of which are attached.

I, the undersigned, am empowered to act on behalf of the Assignee. Acting on behalf of the Assignee, I have reviewed all the documents in the chain of title of the patent identified above and, to the best of my knowledge and belief, title is in the Assignee identified above.

I, the undersigned, hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the patent.

Respectfully submitted,



Frances Toneguzzo, Ph.D.

DIRECTOR, OFFICE FOR TECHNOLOGY AND  
INDUSTRY COLLABORATION

Date: November 3, 1999

TRADOCS:1258691.1(QZ7N01!.DOC)

I0254/7004 (ERP)

## ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned William W. Bachovchin, 71 Warwick Road, Melrose, MA 02176, hereby

Sell, assign and transfer to TRUSTEES OF TUFTS COLLEGE, a Massachusetts corporation having a place of business at Ballou Hall, Medford, MA 02155, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent having Serial Number 08/837,305, Filed April 11, 1997 and entitled MULTIVALENT COMPOUNDS FOR CROSSLINKING RECEPTORS AND USES THEREOF, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

Hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

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AS FILED**

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

Dated: Nov 5, 1997

William W. Bachovchin  
WILLIAM W. BACHOVCHIN

STATE OF Massachusetts:  
COUNTY OF Suffolk:

Subscribed and sworn to before me this 5 day of November, 1997.

SEAL

Janet L. Kratzger  
Notary Public

My Commission Expires: 9-18-2003

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**AS FILED**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William Bachovchin  
Serial No: 08/837,305  
Filed: April 11, 1997  
For: MULTIVALENT COMPOUNDS FOR CROSSLINKING RECEPTORS  
AND USES THEREOF

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

CERTIFICATE UNDER 37 C.F.R., §3.73(b)

TRUSTEES OF TUFTS COLLEGE, a Massachusetts corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor of the patent application identified above. The above-identified patent application is a continuation of U.S. Serial No. 08/671,756. The assignment for U.S. Serial No. 08/671,756, filed June 28, 1996 was filed with a Certificate of Mailing under 37 C.F.R. §1.8(a) at the U.S. Patent and Trademark Office on October 29, 1996. A copy of the Assignment and appropriate recordation cover sheet is attached hereto.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is identified below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,

TRUSTEES OF TUFTS COLLEGE,

Date: 09/02/97

By: Joseph J. Byrne

Joseph J. Byrne, Ph.D.

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REGISTRATION FORM COVER SHEET  
**PATENTS ONLY**

Commissioner of Patents and Trademarks: Please record the attached original document.

1. Name of conveying party(ies):  
WILLIAM W. BACHOVCHIN

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):  
TRUSTEES OF TUFTS COLLEGE  
BALLOU HALL  
MEDFORD, MA 02155

Additional names/addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other:

Execution Date: OCT/23/96

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4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s):  
08/671,756

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

Paul T. Clark, Reg. No. 30,162  
Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110-2804

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41): \$40

- ☒ Enclosed  
☐ Authorized to charge deposit account

8. Deposit account number: 06-1050

If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

DO NOT USE THIS SPACE

9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.*

Paul T. Clark, Reg. No. 30,162

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 2

Date of Deposit

10-29-96  
I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

MS [Signature]

ASSIGNMENT

For valuable consideration, I, WILLIAM W. BACHOVCHIN, of Melrose, MA  
hereby assign to TRUSTEES OF TUFTS COLLEGE, a MASSACHUSETTS corporation having a  
place of business at BALLOU HALL, MEDFORD, MA 02155, and its successors and assigns  
(collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world  
in the inventions and improvements which are subject of an application for United States Patent signed  
by me, entitled MULTIVALENT COMPOUNDS FOR CROSSLINKING RECEPTORS AND USES  
THEREOF, filed JUN/28/96, and assigned U.S. Serial Number 08/671,756, and I authorize and request  
the attorneys appointed in said application to hereafter complete this assignment by inserting above  
the filing date and serial number of said application when known; this assignment including said  
application, any and all United States and foreign patents, utility models, and design registrations  
granted for any of said inventions or improvements, and the right to claim priority based on the filing  
date of said application under the International Convention for the Protection of Industrial Property,  
the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like  
purposes; and I authorize the Assignee to apply in all countries-in my name or in its own name for  
patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for  
said inventions and improvements; and I agree for me and my respective heirs, legal representatives  
and assigns, without further compensation, to perform such lawful acts and to sign such further  
applications, assignments, Preliminary Statements and other lawful documents as the Assignee may  
reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Boston, MA,

this 23 day of October, 1996

William W. Bachovchin

WILLIAM W. BACHOVCHIN

L.S.

STATE OF MASSACHUSETTS:

:SS.

COUNTY OF Suffolk:

**COPY AS FILED**

Before me this 23rd day of October, 1996, personally appeared

WILLIAM W. BACHOVCHIN known to me to be the person whose name is subscribed to the  
foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed  
for the purposes therein contained.

Margaret Newell

Notary Public

My Commission Expires: 1/11/2002

[Notary's Seal Here]